

Datasheet for 009-0333

Human Albumin Peroxidase

Overview

Description:	Human Albumin Peroxidase Conjugated - 009-0333
Item No.:	009-0333
Size:	1 mg
Applications:	Dot Blot
Origin:	Human

Product Details

Background:	Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. It is soluble and monomeric. Albumin transports hormones, fatty acids, and other compounds, buffers pH, and maintains osmotic pressure, among other functions. Human Albumin is ideal for investigators involved in serum protein component research.
Synonyms:	Human Albumin peroxidase conjugation, Human Albumin HRP conjugation
Species of Origin:	Human
Conjugate:	Peroxidase (HRP)
Format:	Albumin
Type:	Native Protein

Target Details

Purity/Specificity:	HUMAN ALBUMIN Peroxidase conjugated was prepared from normal serum by a multi-step process including selective precipitation and tandem chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Human Albumin and anti-Human Serum.
Relevant Links:	• UniProtKB - P02768 • NCBI - AAA98797.1 • GenelD - 213

Application Details

Tested Applications:	Dot Blot
Application Note:	Human Albumin whole molecule has been tested in dot blot and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments. Specific conditions should be optimized by user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/ml Polyethylene Glycol (PEG-8000)
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

Dot Blot

Dot Blot of Human Albumin Peroxidase Conjugated. Lane 1: 100ng human Albumin HRP Conjugated. Lane 2-5: serial dilution 3 fold starting. Primary Antibody: none. Secondary Antibody: none. Block: MB-070 30 min at RT.

**Disclaimer**

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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